

### Abstract of the Disclosure

The present invention relates to a device for creating pores in a biomaterial, such as a cell or tissue in a sample. The device uses an alternating magnetic field that increases the thermal or kinetic energy of magnetic particles present in the sample. The magnetic particles then create pores in the membrane surrounding the biostructure. Subsequently, the pores may be employed for the introduction of particles into the biostructure. In preferred embodiments the device is equipped with temperature control.

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